

### **Chemical Exposure Information**

The chemicals circled below were found in the home of the child you are assessing.

**Child's Name** \_\_\_\_\_ **Birthdate** \_\_\_\_\_

**Parent's Name** \_\_\_\_\_

**Address** \_\_\_\_\_ **Phone** \_\_\_\_\_

The following information was obtained by a member of the DEC Response Team at the time of a clandestine drug lab seizure. The incident occurred on \_\_\_\_/\_\_\_\_/\_\_\_\_ at \_\_\_\_\_.

**Date**                      **Time**

<u><b>Chemical Name</b></u>	<u><b>Hazardous Effects</b></u>	<u><b>Household or Other Uses</b></u>
<b>Acetone (solvent)</b>	Contact: Liquid – irritating to eyes; can cause severe damage Vapor – irritating to eyes & nose Inhalation: dizziness, narcosis, coma Ingestion: gastric irritation, narcosis, coma	Pharmaceuticals, cosmetics, varnishes, rubber cement
<b>Anhydrous Ammonia (compressed gas or liquid)</b>	Contact: Low conc. – rapid eye & nose irritation High conc. – severe eye injury Liquid – serious burns to skin & eyes, frostbite	Household cleaners
<b>Coleman Fuel (“white gas”)</b>	Contact: skin & eye irritant  Inhalation: nausea, elevated BP, anorexia, uncoordination, difficulty concentrating, headache, light headedness  Ingestion: vomiting, diarrhea, abdominal cramping, drowsiness, restlessness, irritability, coughing, painful breathing, unconsciousness  large amounts – convulsions, coma, death	Fuel for lamps, heaters
<b>Ephedrine/Pseudofed</b>	Contact: powder/dust – eye & skin irritant  Inhalation: dust – large amounts→lung damage  Ingestion: large amounts – cardiac stimulant	Pharmaceuticals – cold medicines
<b>Ethanol (solvent)</b>	Inhalation: high conc. – impaired perception & coordination	Alcoholic beverages, perfumes, pharmaceuticals
<b>Ethyl Ether (solvent)</b>	Inhalation: drowsiness,	Solvent or extractant for fats,

	<p>dizziness, confusion, faintness chronic low level – anorexia, nausea, dizziness, fatigue high conc. – unconsciousness</p> <p>repetitive inhalation→ “ether habit”</p> <p>Ingestion: same as inhalation</p>	<p>waxes, starting fluid, perfumes, diesel, anesthetic in surgery</p>
<b>Hydriodic Acid</b>	<p>Contact: severe burns to eyes &amp; skin</p> <p>Inhalation: irritant to respiratory tract, skin, eyes</p> <p>Ingestion: severe internal irritation and damage</p>	<p>Driveway cleaner, chemical reagent, pharmaceuticals</p>
<b>Hydrogen Chloride Gas</b>	<p>Contact: strongly corrosive; mucous membrane, eye &amp; respiratory tract irritant</p> <p>Inhalation: coughing, choking, inflammation &amp; ulceration of respiratory tract High conc. - severe burns, pulmonary edema, death</p>	<p>Iron ore processing, mining</p>
<b>Hydrogen Peroxide</b>	<p>Contact: high conc. - irritating &amp; caustic to mucous membranes, eyes, skin Ingestion: acute distension of stomach, nausea, vomiting, internal bleeding</p>	<p>Topical antiseptic/cleanser, mouthwashes, sanitary lotions pharmaceuticals</p>
<b>Iodine Crystals</b>	<p>Contact: irritates eyes, can burn skin Inhalation: respiratory tract &amp; eye irritant Ingestion: severe internal irritation and damage</p>	<p>Iodine solutions, antiseptics, germicides, fungicides, diagnostics</p>
<b>Isopropyl Alcohol</b>	<p>Contact: may cause severe eye damage Inhalation: High conc. – headache, dizziness, mental depression, nausea, vomiting, narcosis, anesthesia, coma</p> <p>Ingestion: same as above</p>	<p>Solvent, disinfectant, cosmetics, nail polish, hair care products</p>
<b>Lithium (metal)</b>	<p>Contact: highly corrosive Inhalation: corrosive – severe injury or death.</p> <p>*If lithium comes in contact with water, a toxic gas is produced</p> <p>-may be fatal if inhaled</p>	<p>Lithium batteries</p>
<b>Methanol (solvent)</b>	<p>Contact: severe eye damage</p>	<p>Antifreeze, brake cleaner</p>

	<p>Inhalation: low conc. – headache, nausea, vomiting, mucous membrane irritation</p> <p>high conc. – dizziness, stupor, cramps, digestive disturbances</p> <p>Ingestion: CNS damage, especially to optic nerve; major organ damage, unconsciousness, death</p>	fluid, fuel, industrial solvent
<b>Methyl-Ethyl Ketone (MEK) (solvent)</b>	<p>Contact: eye irritation, may cause severe damage</p> <p>Inhalation: headache, dizziness, nausea</p> <p>Ingestion: gastric irritation and narcosis, weak teratogen</p>	Production of coatings solvent, aluminum foil, lacquers, degreasing agents, adhesives, inks
<b>Muriatic Acid</b>	<p>Contact: skin, eyes – burns (can be severe). For minor skin contact, avoid spreading material on unaffected skin.</p> <p>Inhalation: vapor or dust inhalation – burns</p> <p>*Reaction with water or moist air will release toxic, corrosive or flammable gases</p>	Swimming pool agents
<b>Red Phosphorous</b>	<p>Inhalation of vapor: eye, nose, throat, lung irritant</p>	Safety matches, pyrotechnics, manufacture of fertilizers, pesticides
<b>Sodium Hydroxide (Lye) (acid neutralizer)</b>	<p>Contact: very corrosive to human tissue; severe burns of eyes &amp; skin</p> <p>Ingestion: severe internal irritation and damage</p> <p>*Generates extreme heat when dissolved in water or mixed with acid</p>	Toilet bowl cleaner, drain cleaner, manufacture of soaps, glycerin suppositories
<b>Sulfuric Acid</b>	<p>Contact: concentrated acid is extremely corrosive to skin</p>	Battery acid, manufacture of fertilizers, explosives, paper, glue
<b>Toluene (solvent)</b>	<p>Inhalation: burns or irritation of mucous membranes, eyes, respiratory tract.</p> <p>Severe exposure→pulmonary edema</p>	Solvent for paints, lacquers, gasoline additive
<b>Xylene (solvent)</b>	<p>Contact: irritation of eyes, skin, mucous membranes, resp. tract</p> <p>Inhalation: vapor – dizziness, headache, nausea, vomiting and mental confusion. Repeated breathing of vapor can cause blood disorders. Respiratory</p>	Commercial uses only.

	depressant. Ingestion: poisoning	
<b>Phosphine</b>	Contact: systemic toxicity Inhalation: extremely toxic – respiratory tract irritation, vascular system collapse	Byproduct of meth production when metallic phosphides react with Acid or water

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**Additional information noted at the lab site:** (i.e. no chemicals present however  
methamphetamine accessible within child's reach)